



Patent

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hnojewyj, Olexander

Attorney Docket No. 1849.16102-A CIP 3

Serial No.: 09/780,014

Examiner: Unkown.

Filed: 9 February 2001

Group Art Unit: 3731

Title: Systems, Methods, and Compositions for Achieving Closure of Vascular Puncture Sites

**RESPONSE TO COMPLIANCE NOTICE REGARDING PATENT APPLICATION  
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID  
SEQUENCE DISCLOSURE**

U.S. Patent and Trademark Office  
Box Sequence  
2011 South Clark Place  
Customer Window, Box  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Dear Sir:

Applicant responds as follows to the notice mailed October 7, 2001.

**AMINO ACID SEQUENCE DISCLOSURE**

Applicant has submitted a computer readable form (CRF) of the sequence as well as a paper copy of the sequence conforming to 37 C.F.R. 1.821-1.825. The CRF and the paper copy are the same, and no new matter has been added to the sequence. Please add the paper copy of the sequence to the specification. Also, the specification has been amended to conform with 37 C.F.R. 1.821. No new matter has been added to the specification.

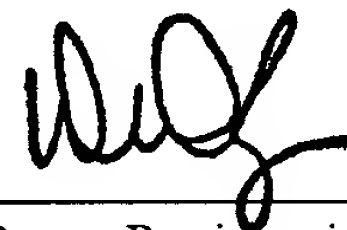
Amendments

Please amend the paragraph beginning on page 12, line 5, as follows:

The rate of degradation (which desirably occurs in about 30 days) is best controlled by the selection of the chemical moiety in the degradation control region, DCR. If degradation is not desired, a DCR can be selected to prevent biodegradation or the material can be created without a DCR. However, if degradation is desired, a hydrolytically or enzymatically degradable DCR can be selected. Examples of hydrolytically degradable moieties include saturated di-acids, unsaturated di-acids, poly(glycolic acid), poly(DL-lactic acid), poly(L-lactic acid), poly( $\xi$ -caprolactone), poly( $\delta$ -valerolactone), poly( $\gamma$ -butyrolactone), poly(amino acids), poly(anhydrides), poly(orthoesters), poly(orthocarbonates), and poly(phosphoesters), and derivatives thereof. A preferred hydrolytically degradable DCR is gluturate. Examples of enzymatically degradable DCR's include SEQ ID NO 1 Leu-Gly-Pro-Ala (collagenase sensitive linkage) and Gly-Pro-Lys (plasmin sensitive linkage). It should also be appreciated that the DCR could contain combinations of degradable groups, e.g. poly(glycolic acid) and di-acid.

Respectfully Submitted,

By



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28 March, 2003

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Enclosures: Copy of the Notice to Comply  
Paper copy of the sequence listing  
3.5" Disk containing copy of the sequence listing  
Amendment Transmittal Letter  
Return Postcard